

## PATENT ABSTRACTS OF JAPAN

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(54) POLYMER FLUORESCENT SUBSTANCE AND POLYMERIC LIGHT EMITTING ELEMENT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a polymer fluorescent substance having a strong fluorescence and/or excellent charge transportation capability.

SOLUTION: The polymer fluorescent substance has fluorescence in a solid state and a number average molecular weight of  $1 \times 10^3$  to  $1 \times 10^8$  calculated as polystyrene, and contains repeating units represented by the formulas (1) (wherein R1, R2, R3 and R4 each represents hydrogen or a substitute, with the proviso that at least one of R1, R2, R3 and R4 is alkoxy and the like) and (2) -AR1[wherein Ar1 is a group different from the group represented by the formula (1), and a substituted phenylene (which has one or more substituted groups except for alkoxy, aryl substituted with alkoxy, aryloxy and arylalkoxy) and the like].

